

FIG. 1A

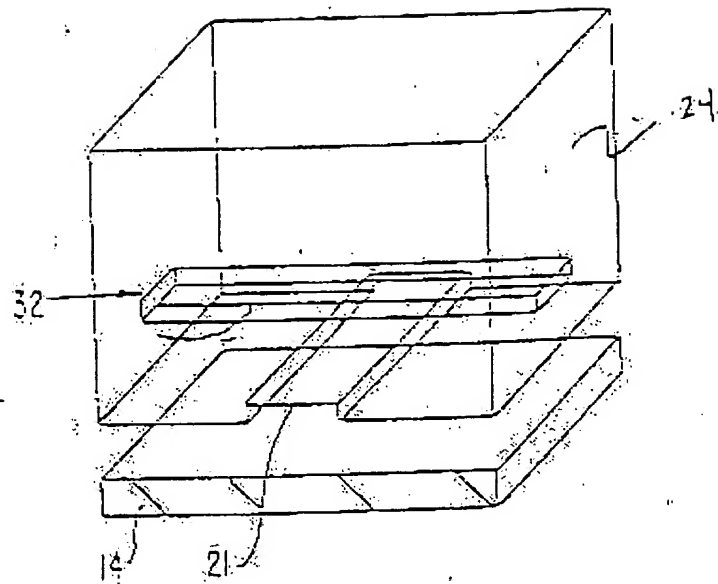
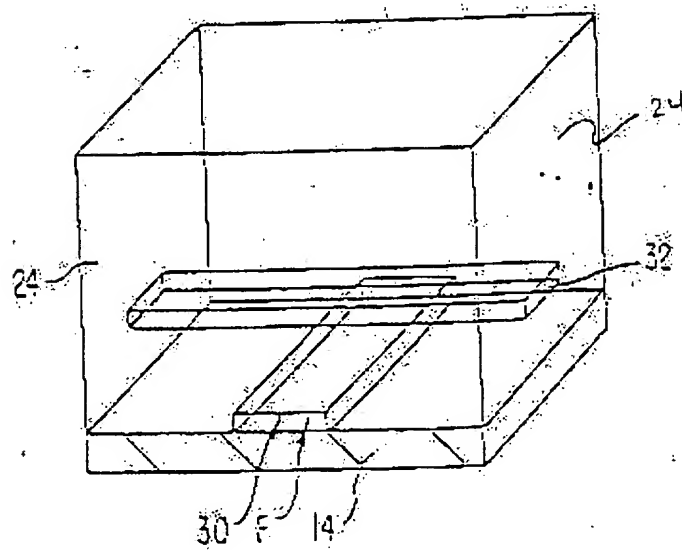


FIG. 1B



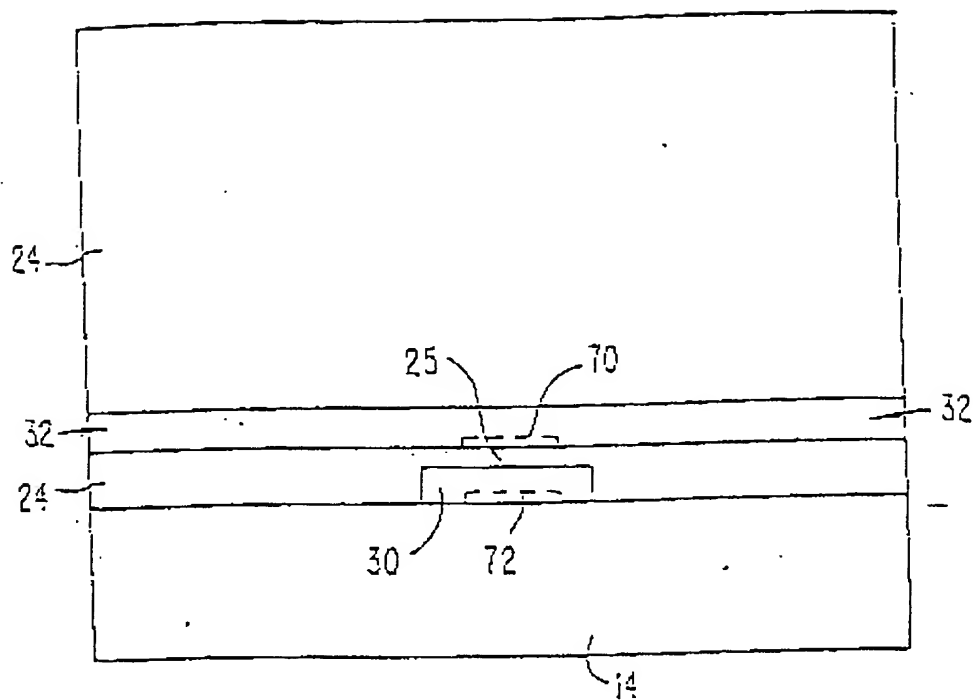


FIG. 2A

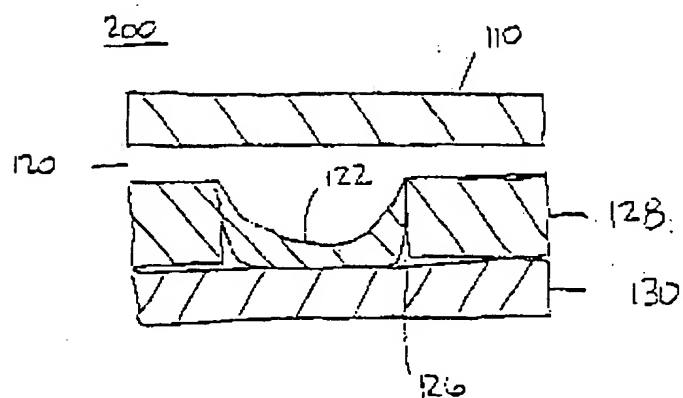


FIG. 2B

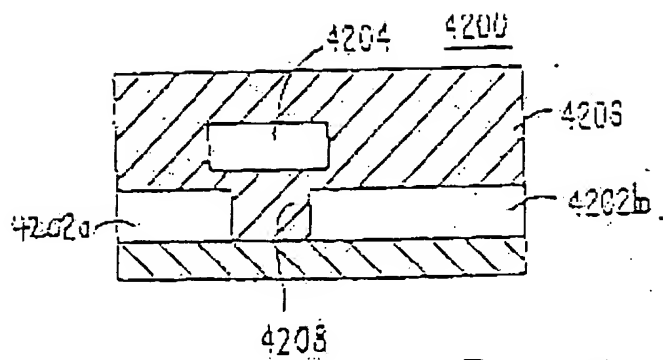


FIG 3A

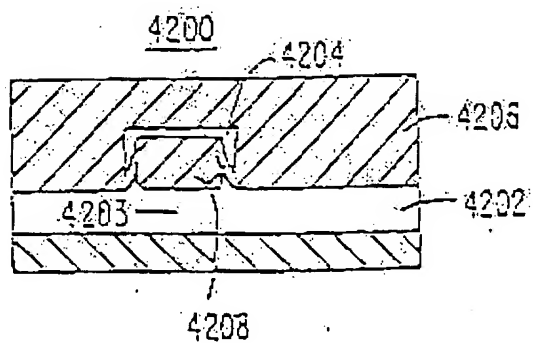


FIG. 3B

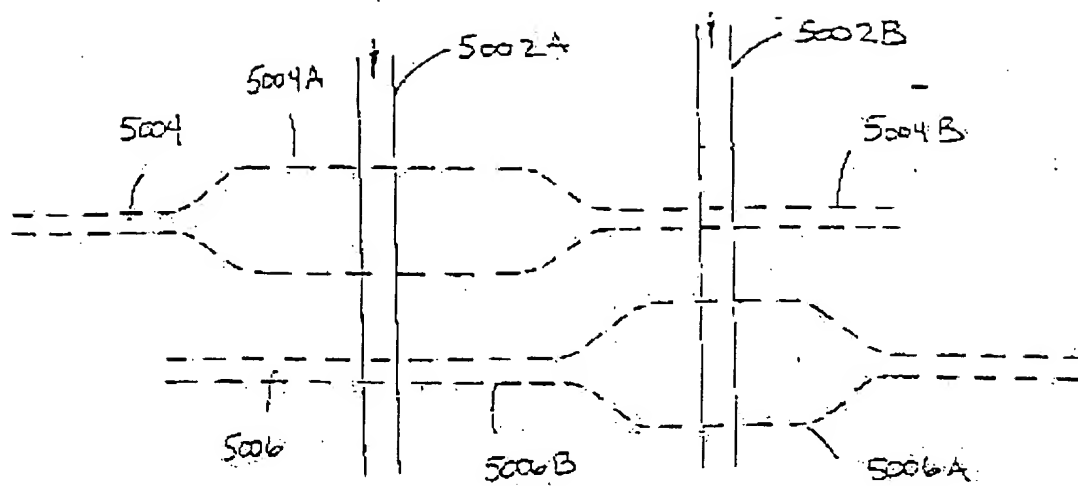


FIG. 4

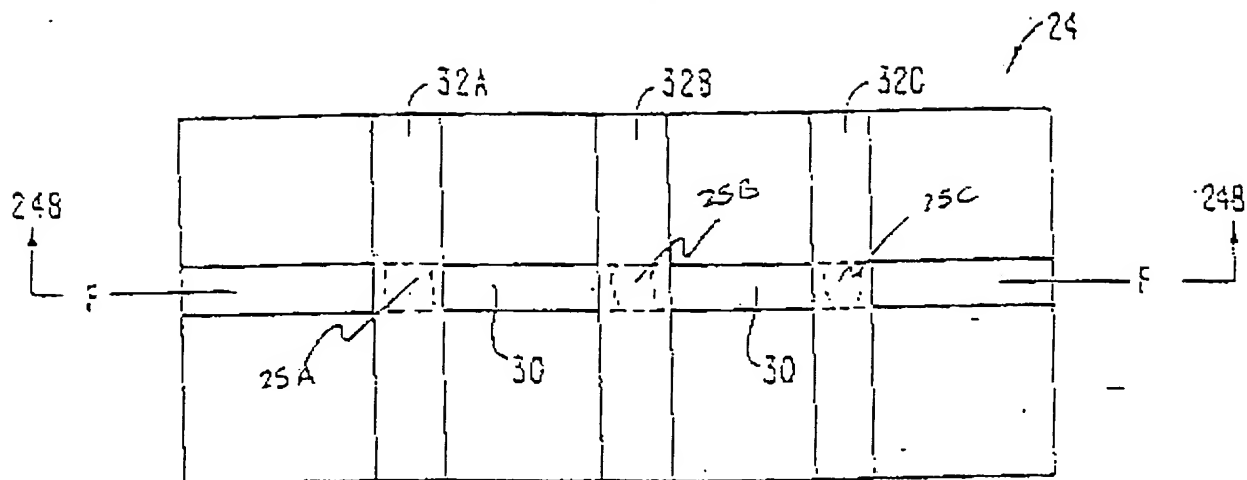


FIG. 5A

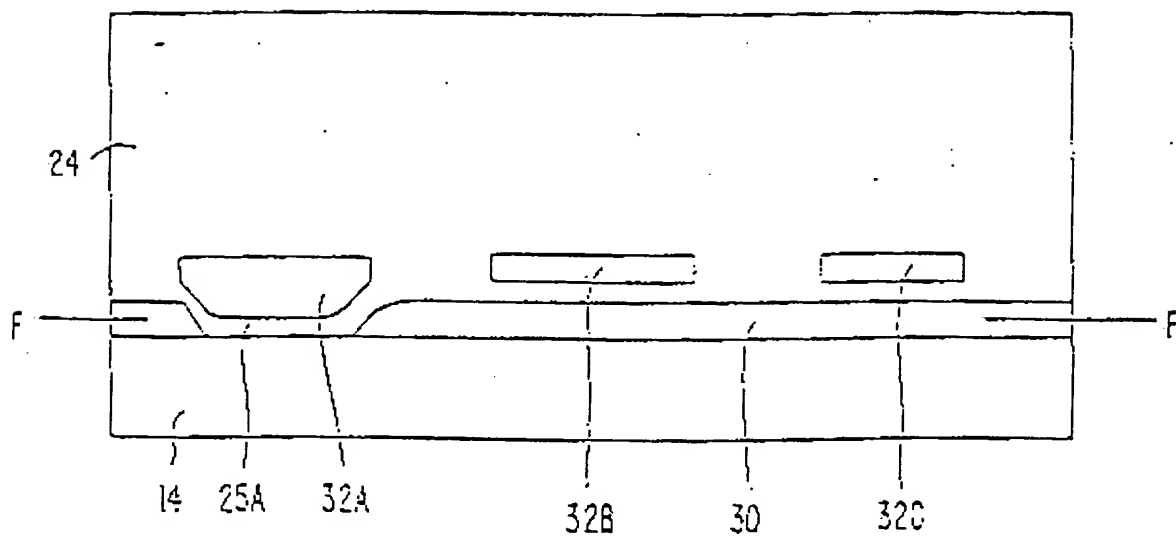


FIG. 5B

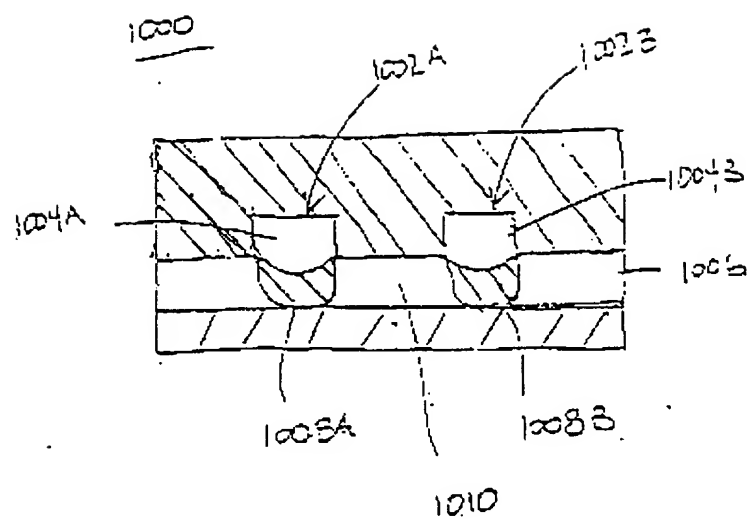
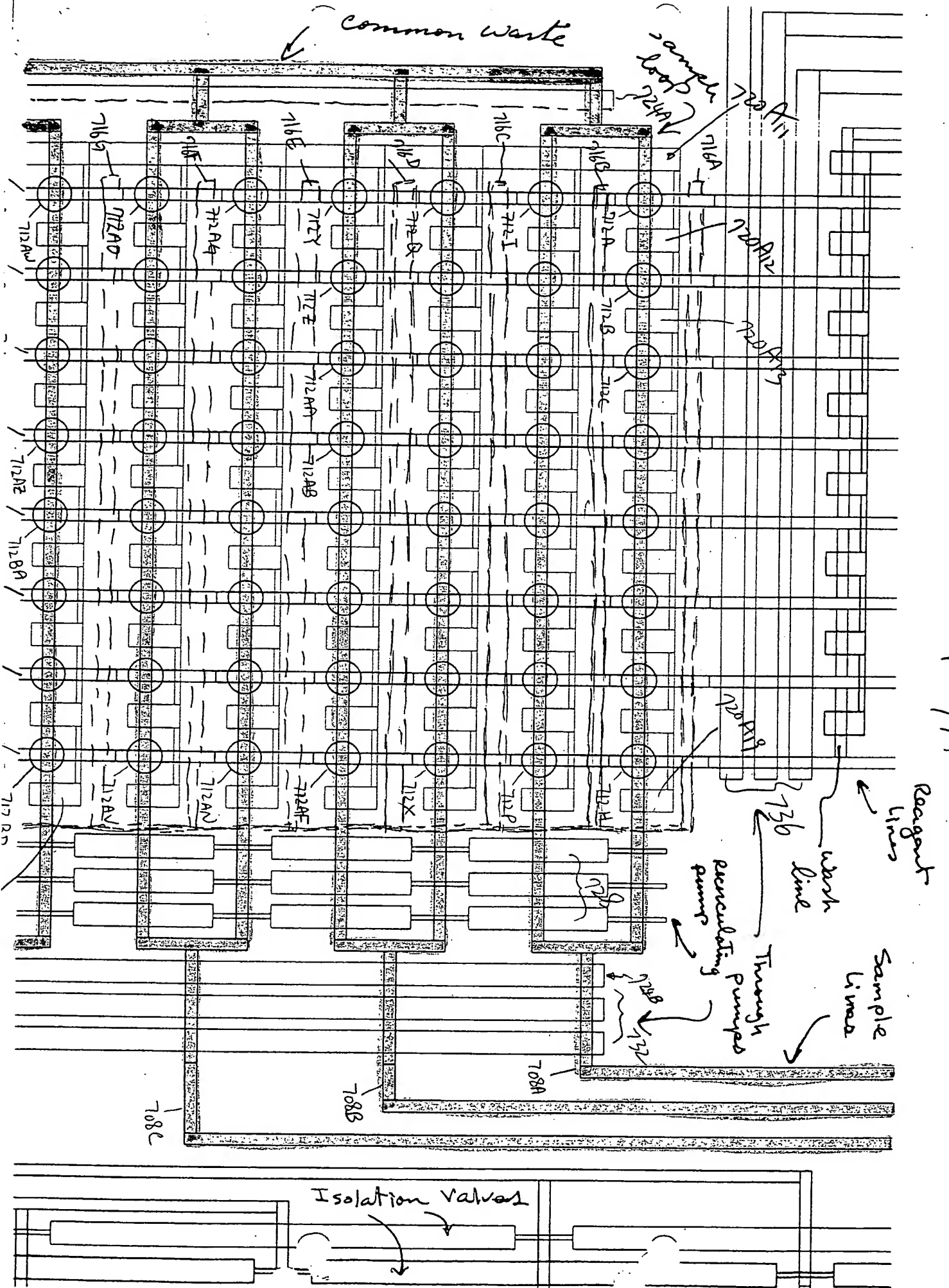


FIG. 6

FIG 7A



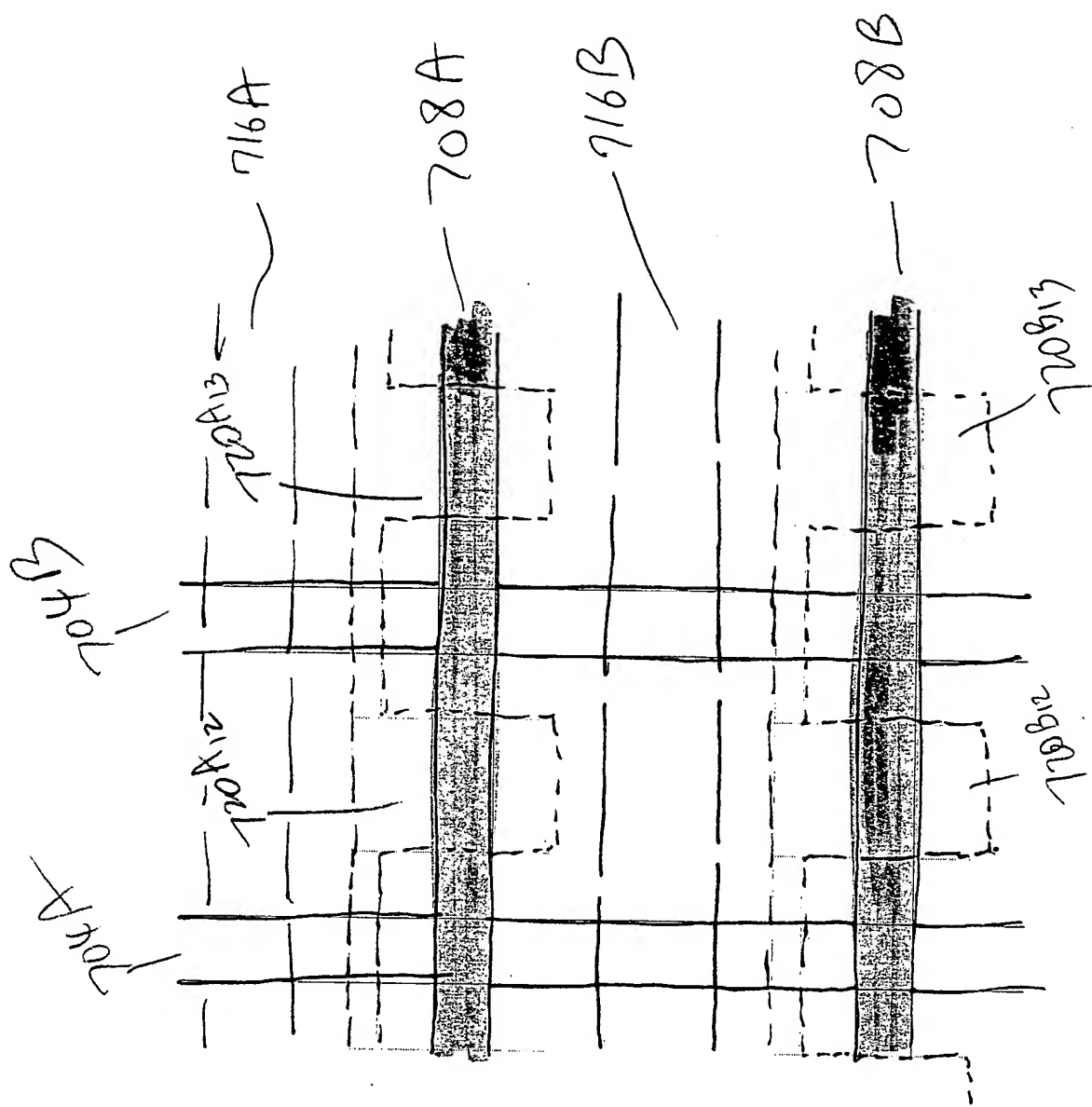
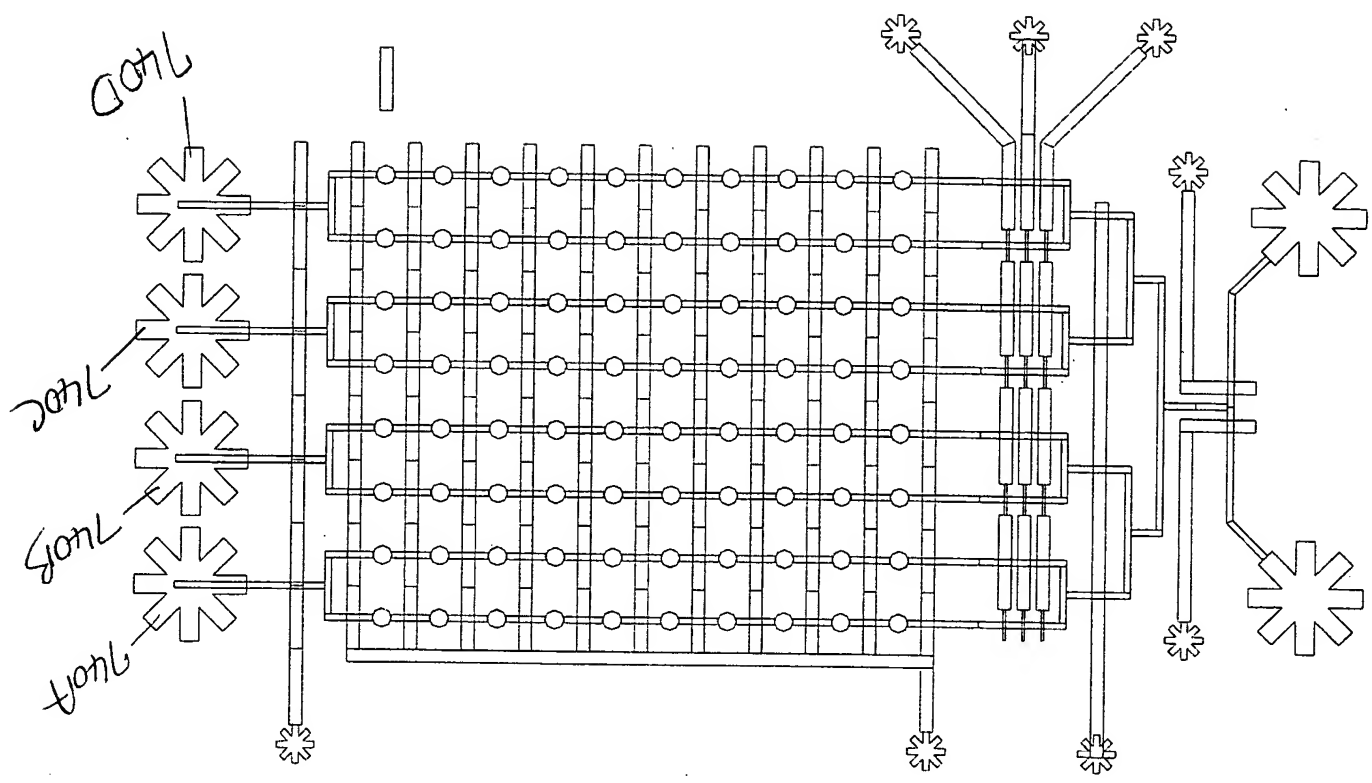


FIG. 7B

FIG. 7C



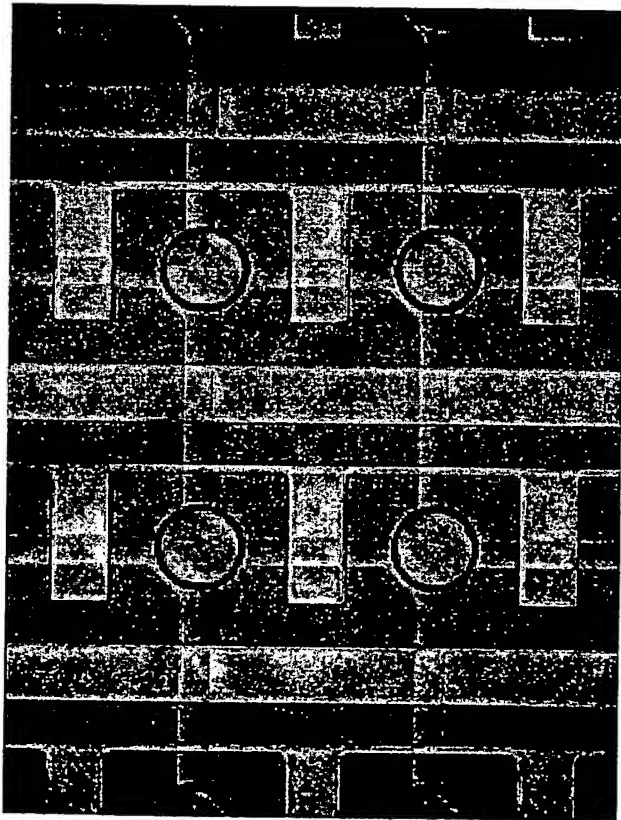


FIG. 7D

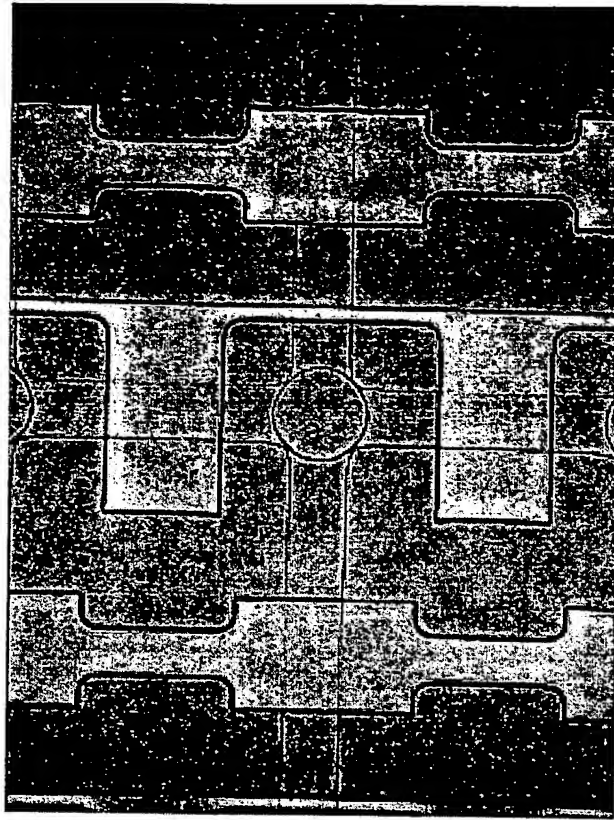
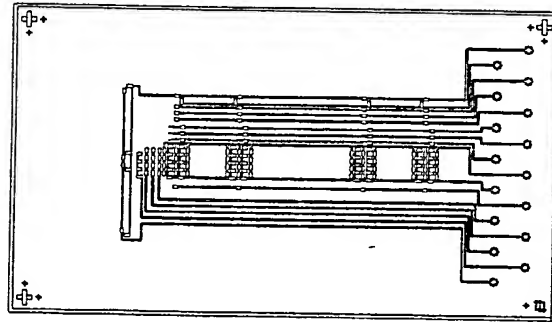
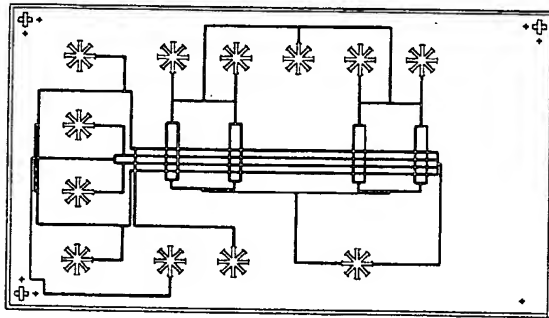


FIG. 7E



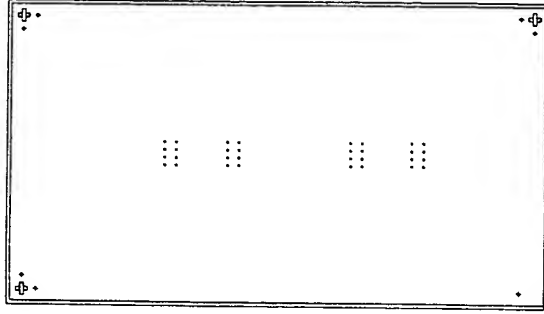
Layer 1
CONTROL

808



Layer 2
FLUID

804



Layer 3
VIA

812

FIG 8A

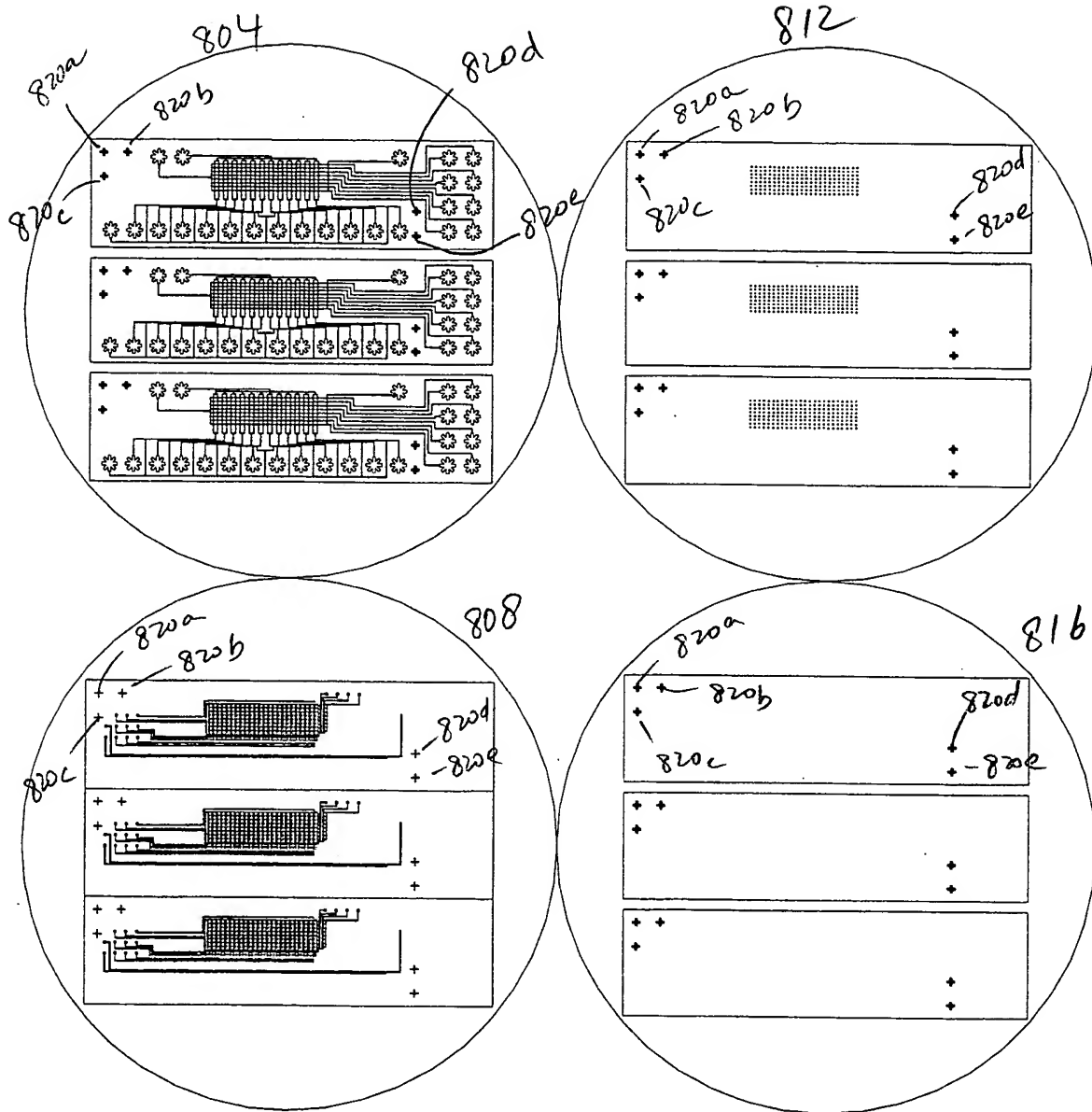


FIG 8B

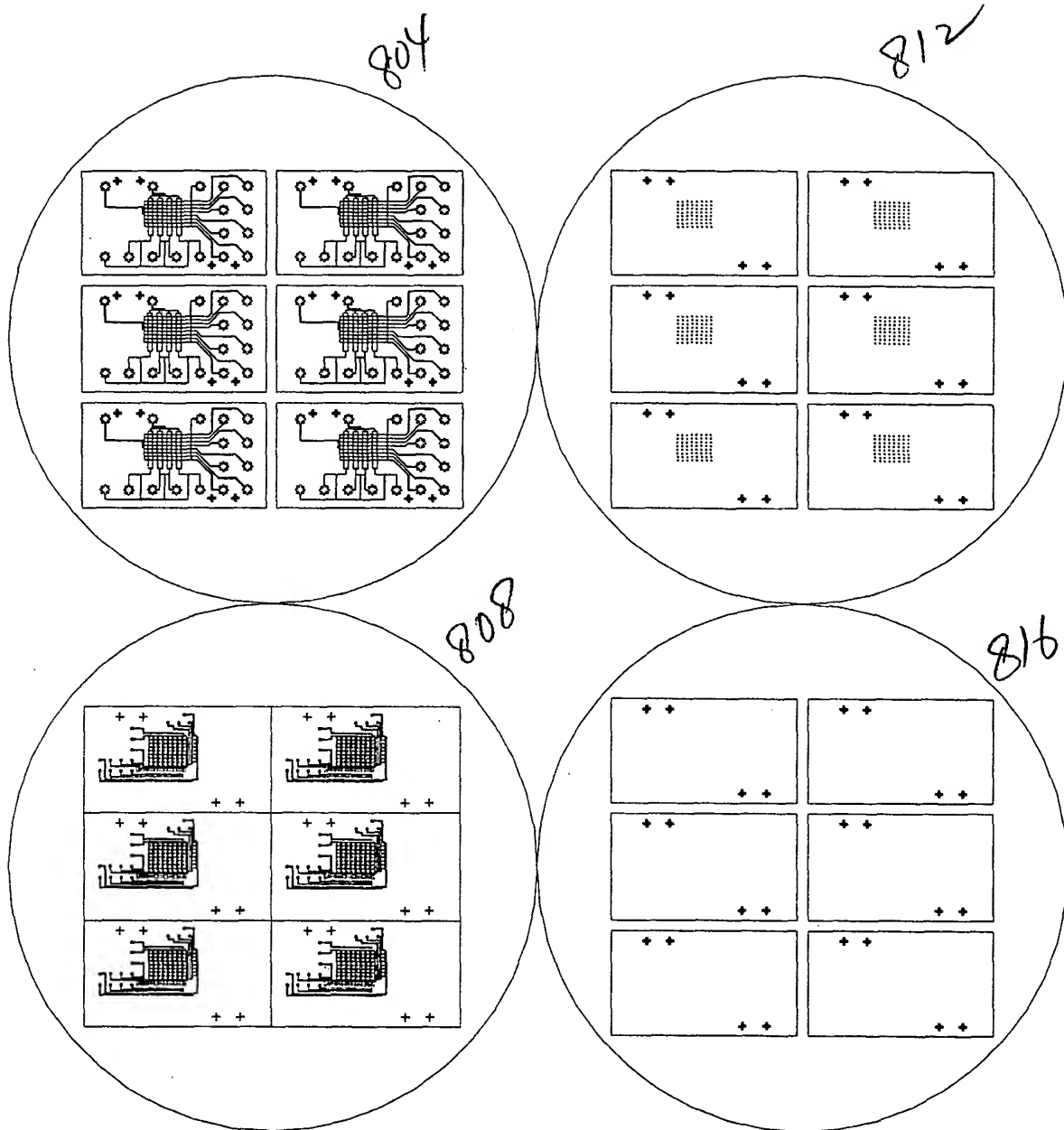
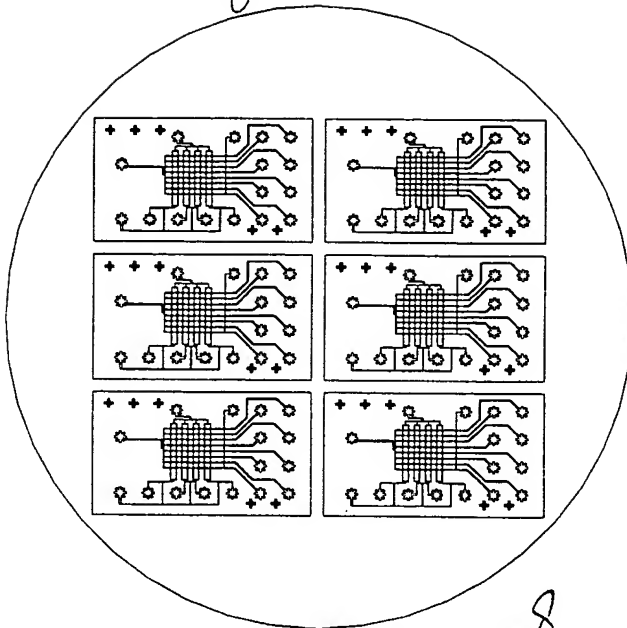
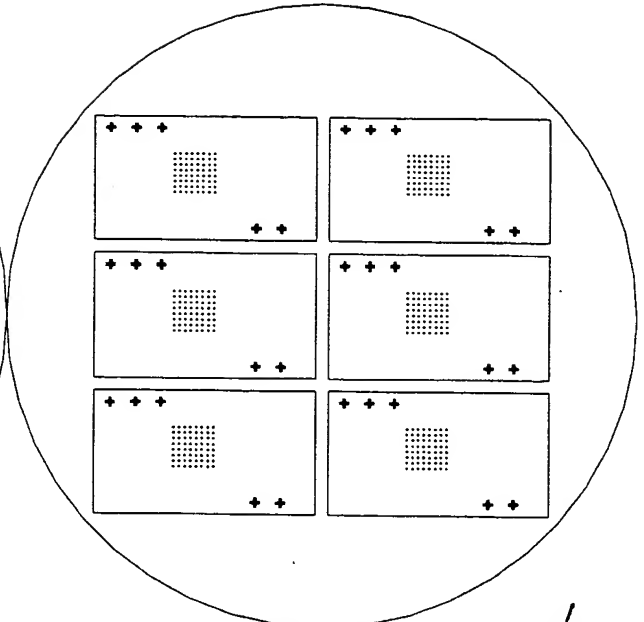


FIG. 8C

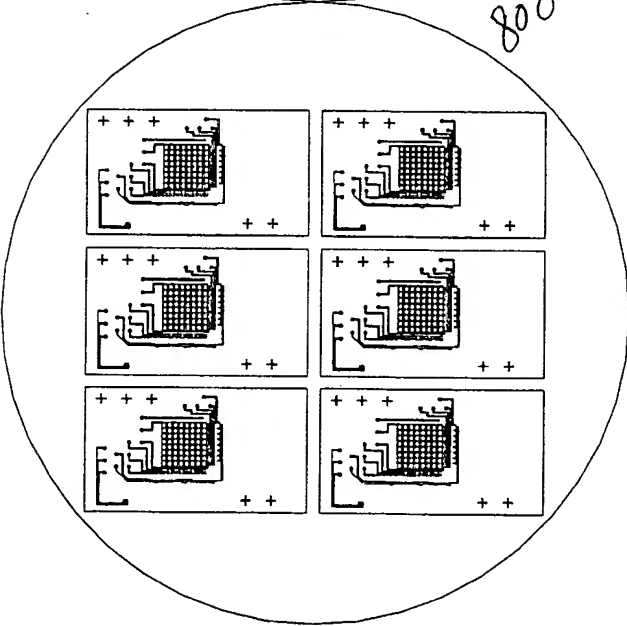
804



812



808



816

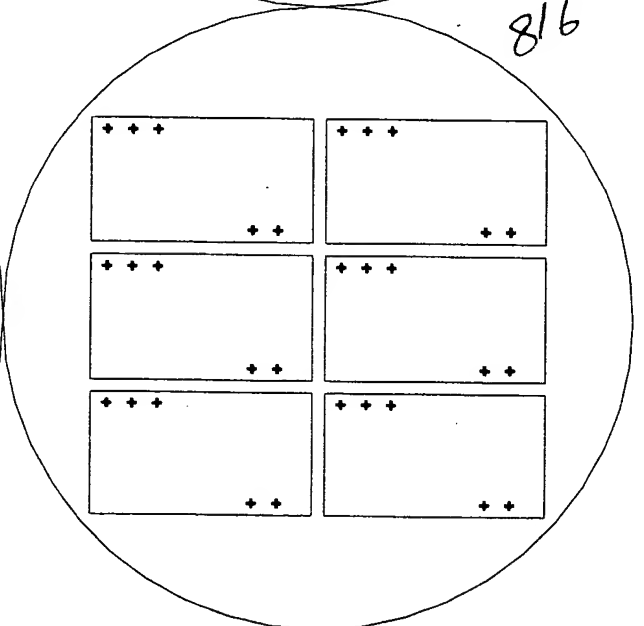
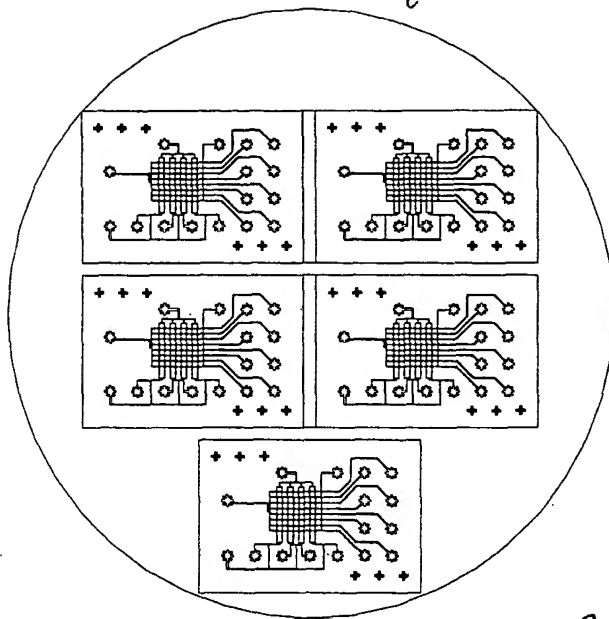
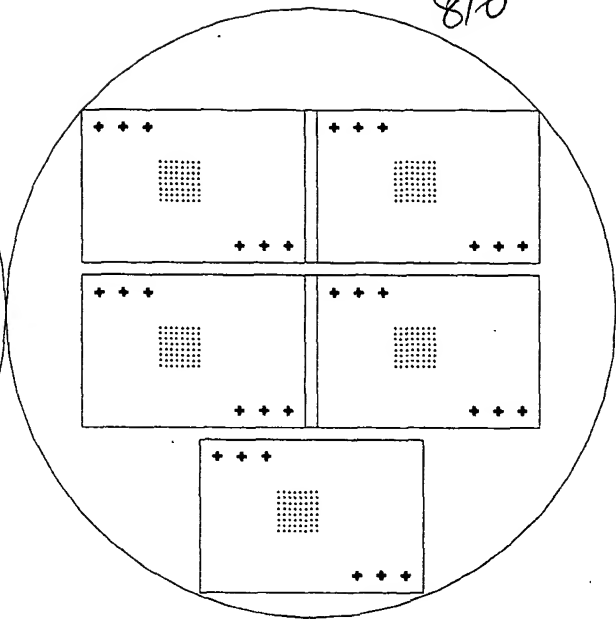


FIG. 8 D

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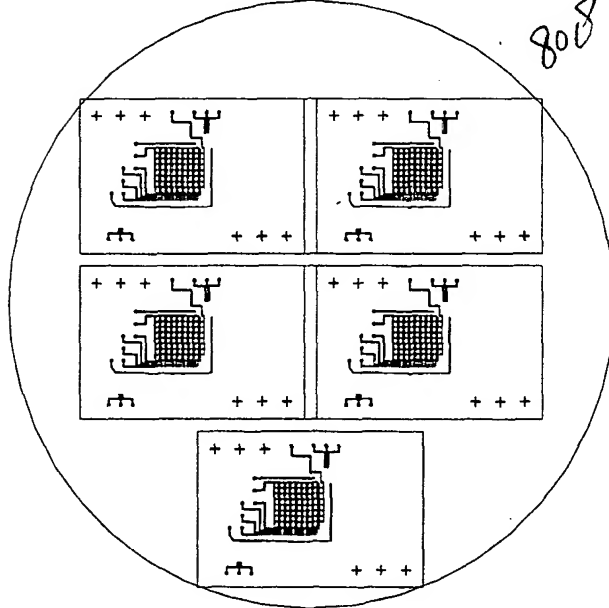
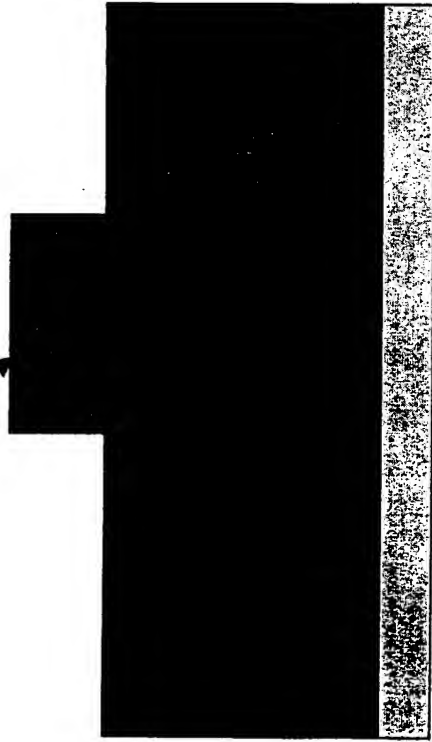


FIG. 8 E

Residual PDMS



Residual PDMS Etched

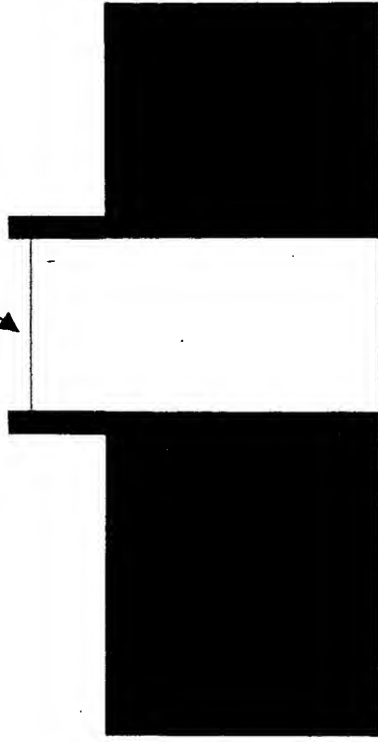
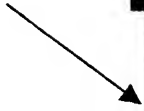
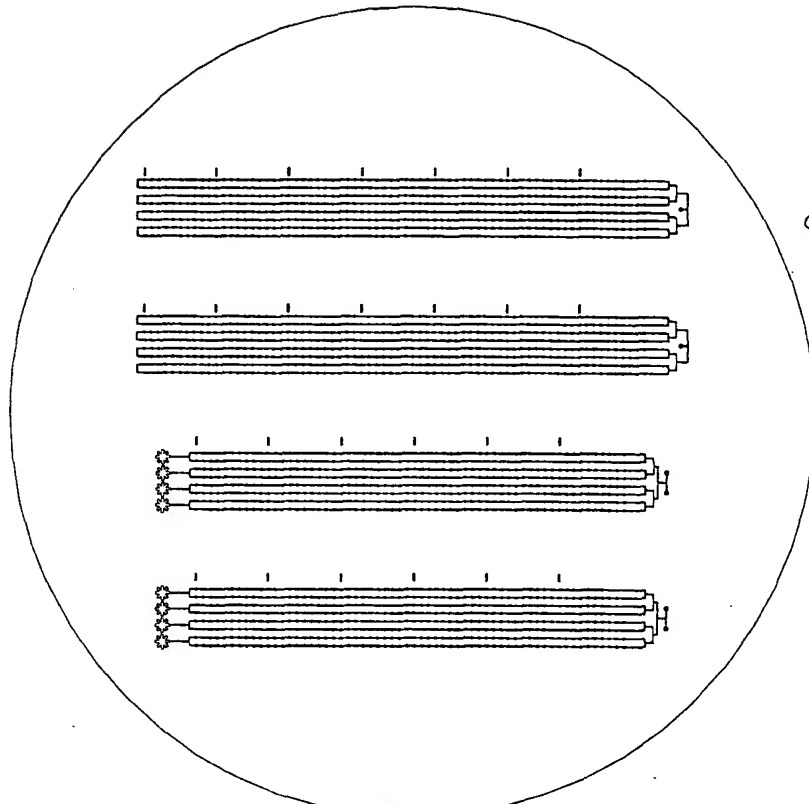
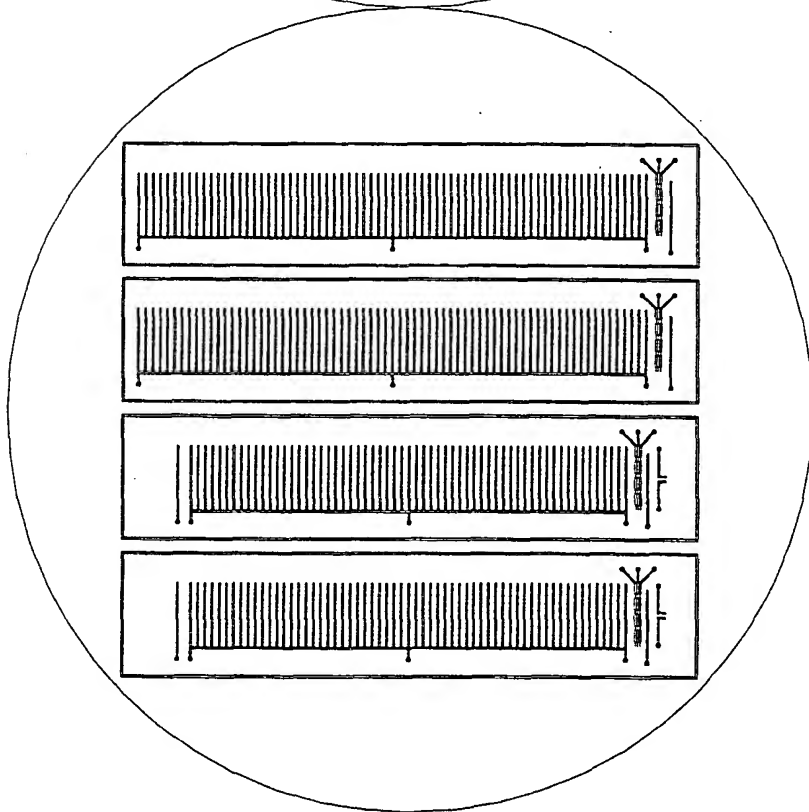


FIG. 9



804



808

FIG. 10A

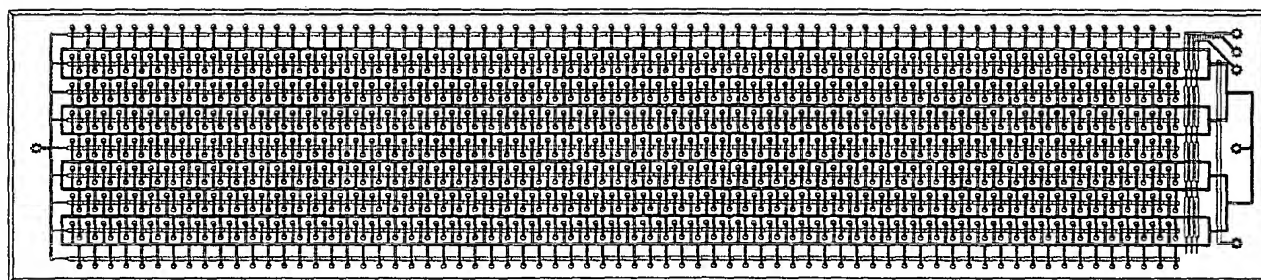


FIG. 10B

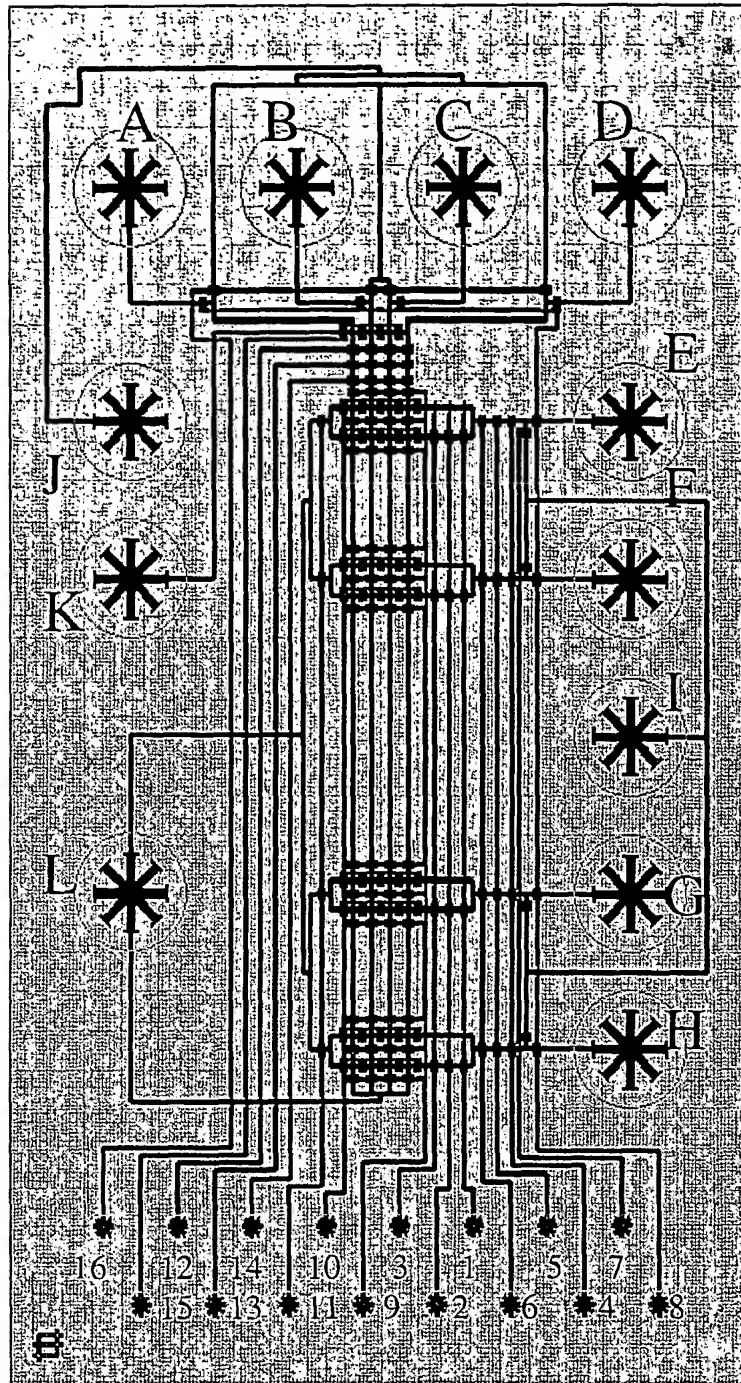
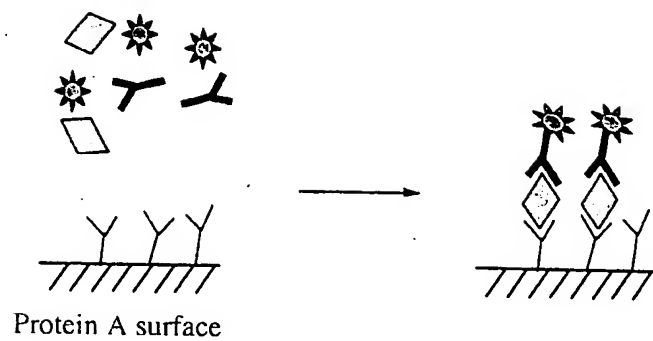


FIG. 11







-  Probe antibody
-  Streptavidin-dye
-  Capture antibody (Monoclonal anti IL-6)
-  IL-6

FIG. 12